



chain nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 27 28 29 30 31
 32 33 34 35 36 37 38 39 40 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58
 59 60 61 62 63 64 65 66 67 68 69 70 74 75 76 77 78 79 80 81 82 83 111
 112 113 114 115 116 117 118

ring nodes :

22 23 24 25 26 41 42 43 71 72 73

chain bonds :

1-2 1-5 2-3 3-4 3-115 3-116 4-8 4-117 4-118 5-6 5-113 5-114 6-7 6-111 6-112 7-10
 8-9 11-12 12-13 14-15 15-16 17-18 17-19 19-20 20-21 23-27 26-28 29-30 29-31 29-32
 31-34 32-33 35-36 35-37 38-39 38-40 44-46 45-46 46-47 48-49 48-50 50-51 52-53
 52-54 54-59 55-56 55-57 57-58 60-61 60-62 63-64 63-65 63-66 67-68 67-69 67-70
 74-75 75-76 77-78 79-80 79-81 81-82 82-83

ring bonds :

22-23 22-26 23-24 24-25 25-26 41-42 41-43 42-43 71-72 71-73 72-73

exact/norm bonds :

1-2 1-5 2-3 4-8 6-7 7-10 8-9 11-12 12-13 14-15 15-16 17-18 17-19 19-20 20-21
 22-23 22-26 23-24 23-27 24-25 25-26 26-28 29-30 29-31 29-32 35-36 38-39 41-42
 41-43 42-43 44-46 45-46 46-47 48-49 48-50 50-51 52-53 52-54 54-59 55-56 55-57
 57-58 63-64 63-65 63-66 67-68 67-69 67-70 71-72 71-73 72-73 74-75 77-78 79-80
 79-81 81-82 82-83

exact bonds :

3-4 3-115 3-116 4-117 4-118 5-6 5-113 5-114 6-111 6-112 31-34 32-33 35-37 38-40
 60-61 60-62 75-76

G1:[*1],[*2],[*3],[*4],[*5],[*6],[*7],[*8],[*9],[*10],[*11],[*12],[*13],[*14],[*15],[*16],[*17],[*18]
 ,[*19]

Connectivity :

1:2 E exact RC ring/chain 2:2 E exact RC ring/chain

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS
 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS
 20:CLASS 21:CLASS 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:CLASS 28:CLASS 29:CLASS
 30:CLASS

	31:CLASS	32:CLASS	33:CLASS	34:CLASS	35:CLASS	36:CLASS	37:CLASS	38:CLASS	
39:CLASS	40:CLASS	41:Atom	42:Atom	43:Atom	44:CLASS	45:CLASS	46:CLASS	47:CLASS	48:CLASS
49:CLASS	50:CLASS	51:CLASS	52:CLASS	53:CLASS	54:CLASS	55:CLASS	56:CLASS	57:CLASS	
58:CLASS	59:CLASS	60:CLASS	61:CLASS	62:CLASS	63:CLASS	64:CLASS	65:CLASS	66:CLASS	
67:CLASS	68:CLASS	69:CLASS	70:CLASS	71:Atom	72:Atom	73:Atom	74:CLASS	75:CLASS	76:CLASS
77:CLASS	78:CLASS	79:CLASS	80:CLASS	81:CLASS	82:CLASS	83:CLASS	111:CLASS	112:CLASS	
113:CLASS	114:CLASS	115:CLASS	116:CLASS	117:CLASS	118:CLASS				